

FIG. 1

DIFFERENTIAL SIGNAL OUTPUT CIRCUIT IN FIRST EMBODIMENT

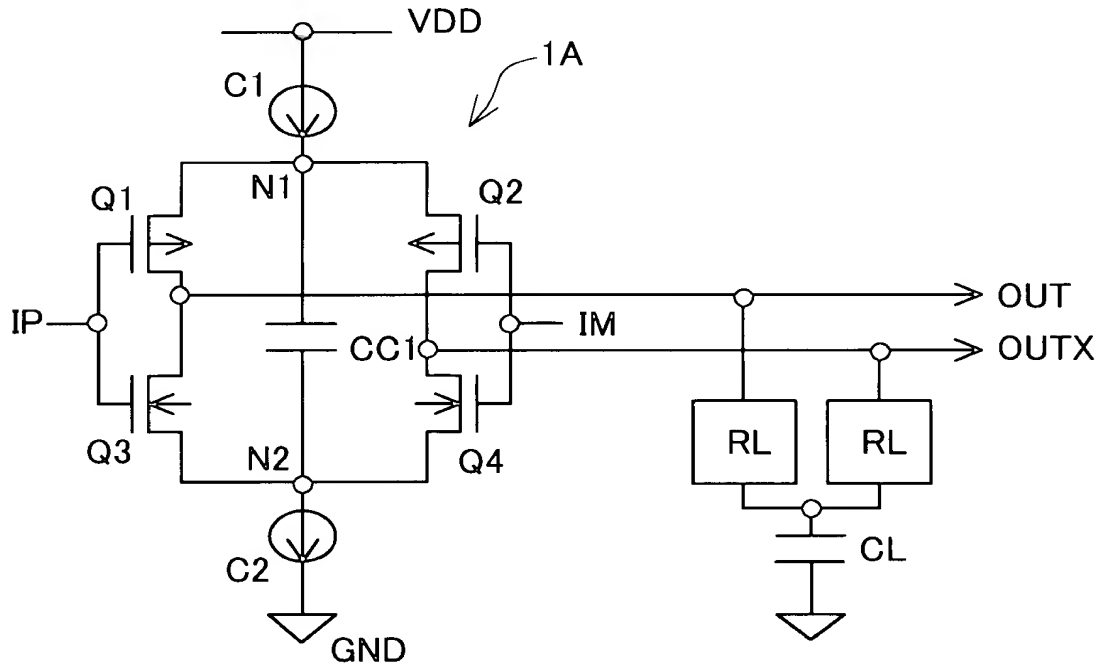


FIG. 2

EXAMPLE OF CURRENT SOURCE IN FIRST EMBODIMENT

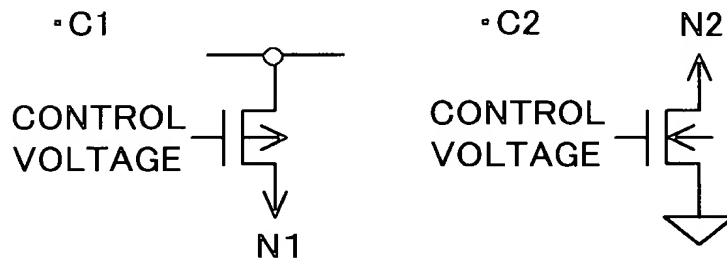


FIG. 3

SPECIFIC EXAMPLE OF CAPACITOR IN FIRST EMBODIMENT

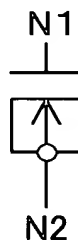


FIG. 4

SPECIFIC EXAMPLE IN FIRST EMBODIMENT

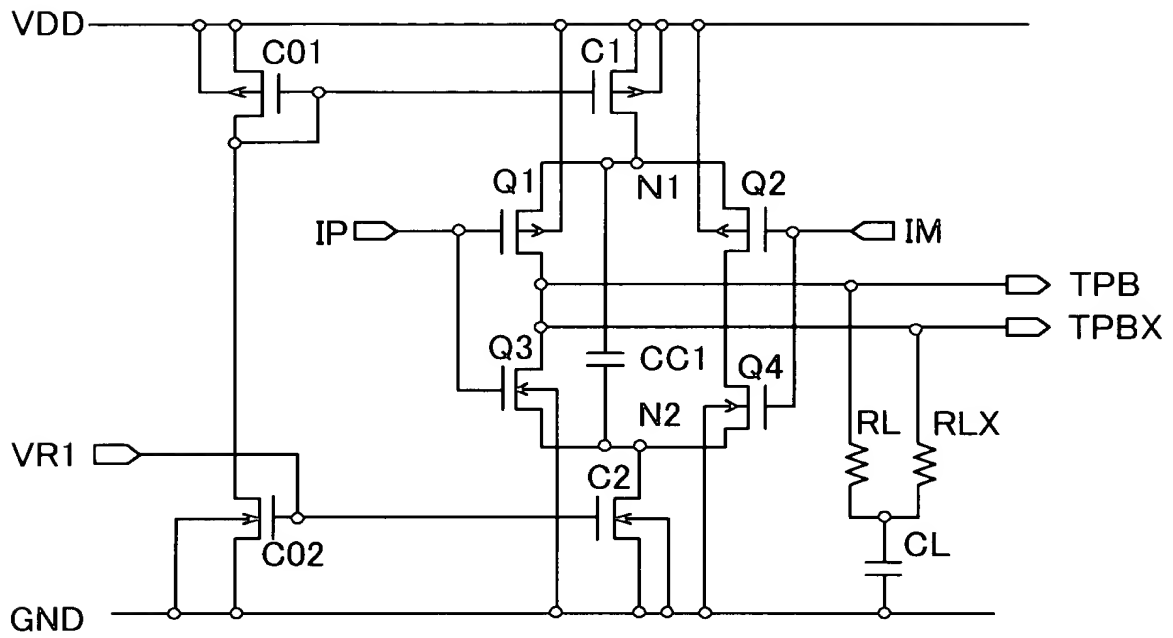


FIG. 5A

DIFFERENTIAL OUTPUT WAVEFORMS ACCORDING TO RESULT
OF SIMULATION OF SPECIFIC EXAMPLE OF FIRST EMBODIMENT

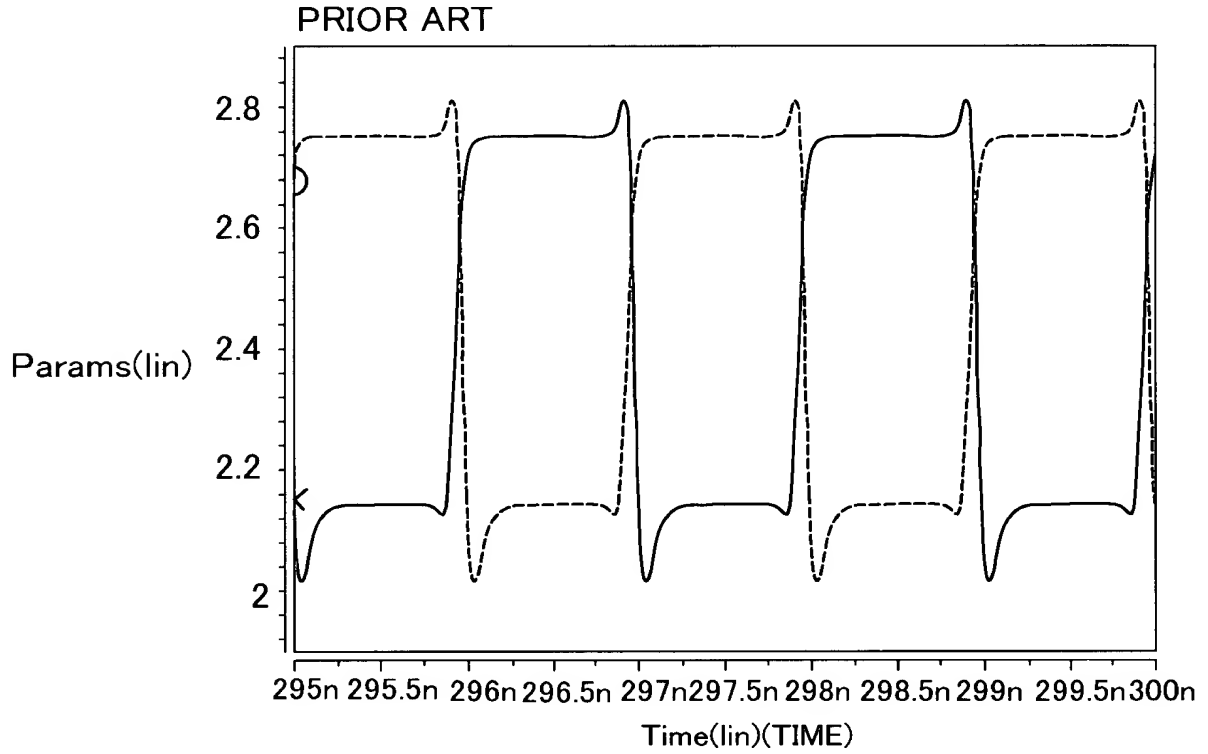
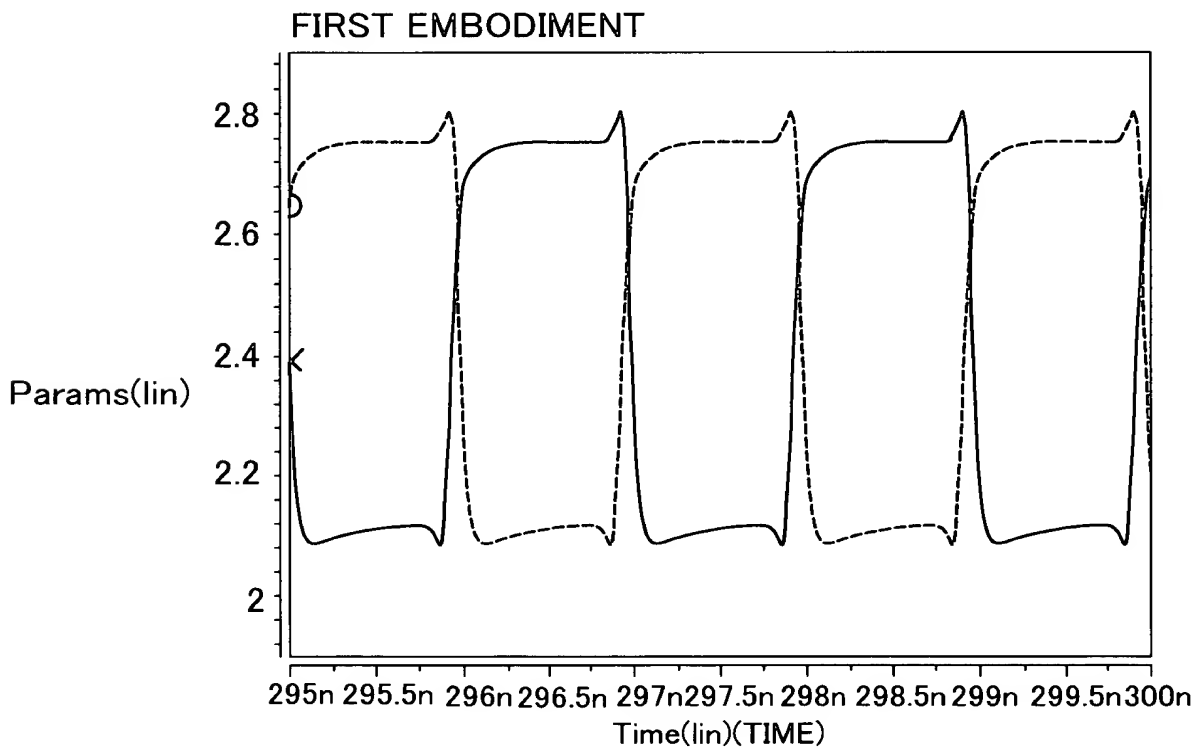


FIG. 5B



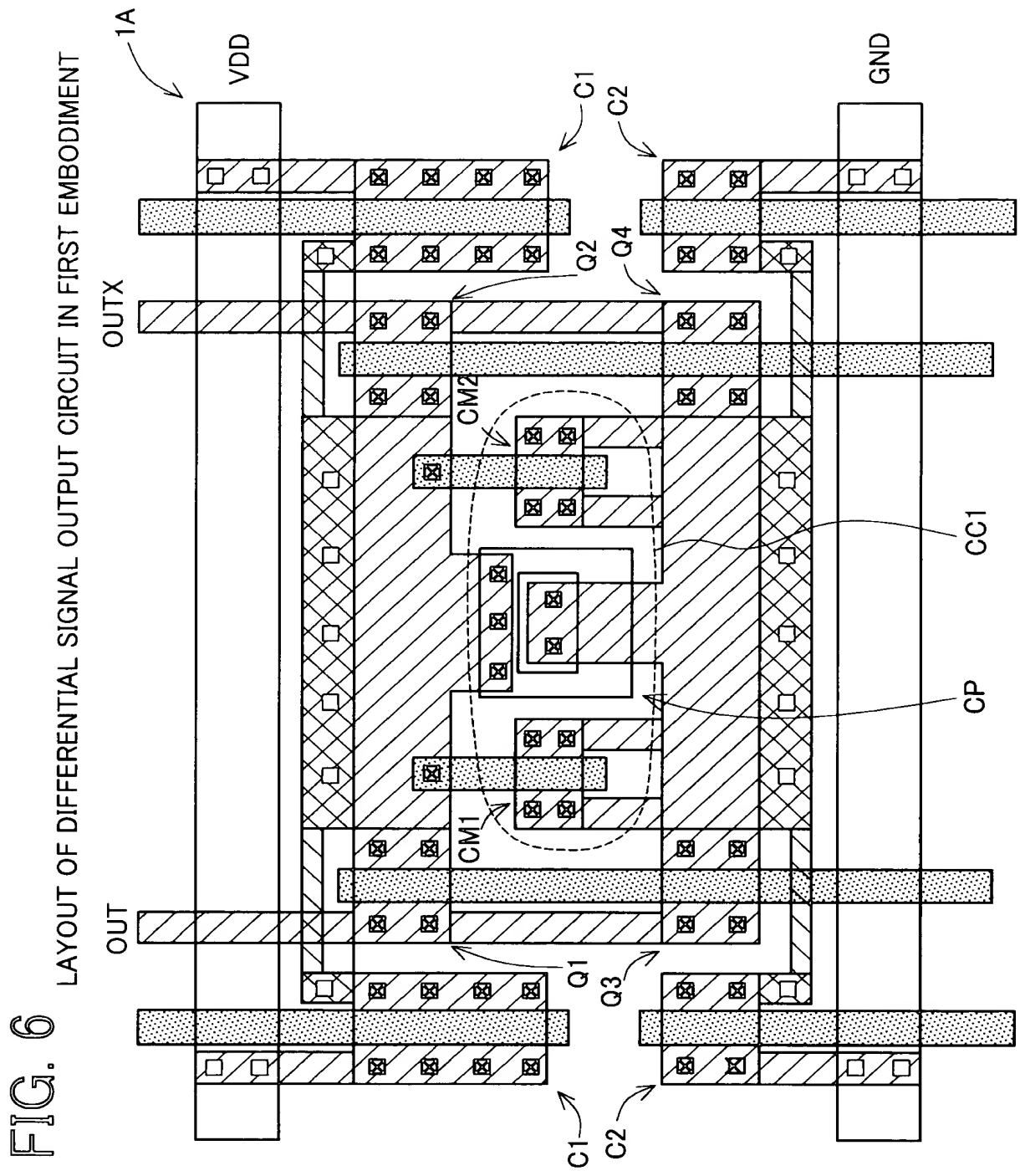


FIG. 7A

DIFFERENTIAL SIGNAL OUTPUT CIRCUIT IN SECOND EMBODIMENT

CIRCUIT STRUCTURED WITH PASSIVE LOADS

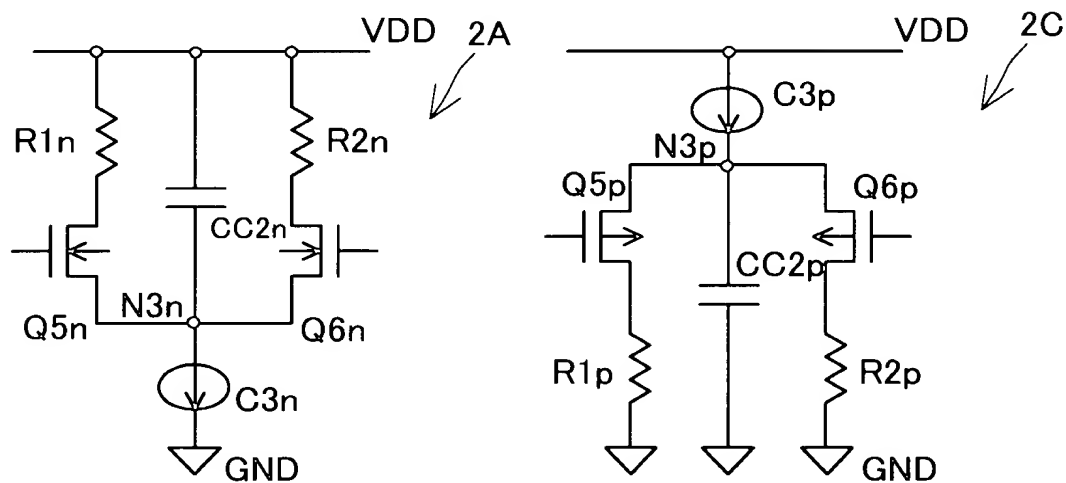


FIG. 7B

CIRCUIT STRUCTURED WITH ACTIVE LOADS

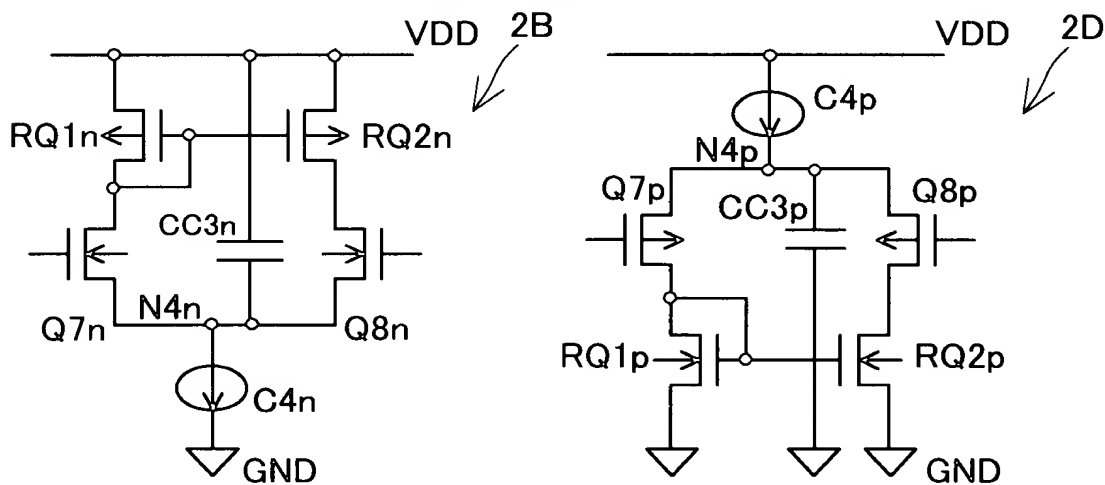


FIG. 8

BLOCK DIAGRAM ILLUSTRATING SIGNAL DETECTION APPARATUS IN THIRD EMBODIMENT

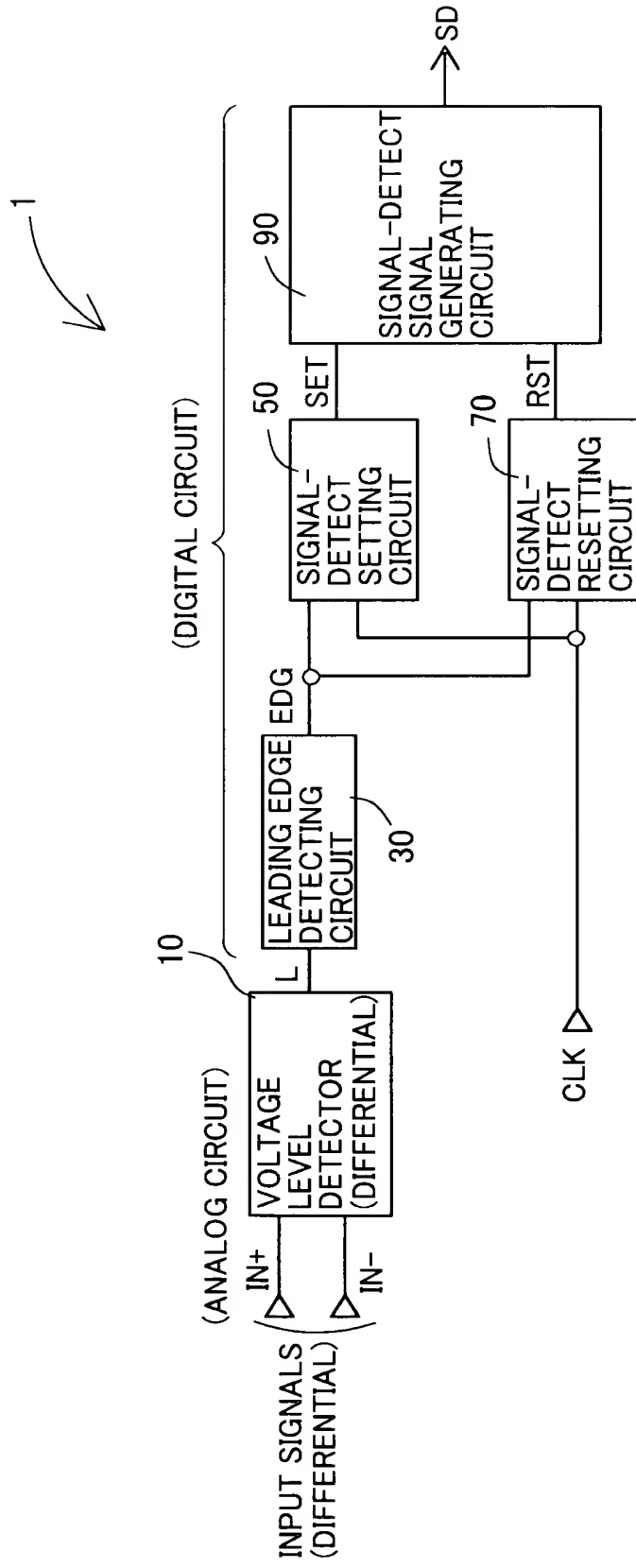
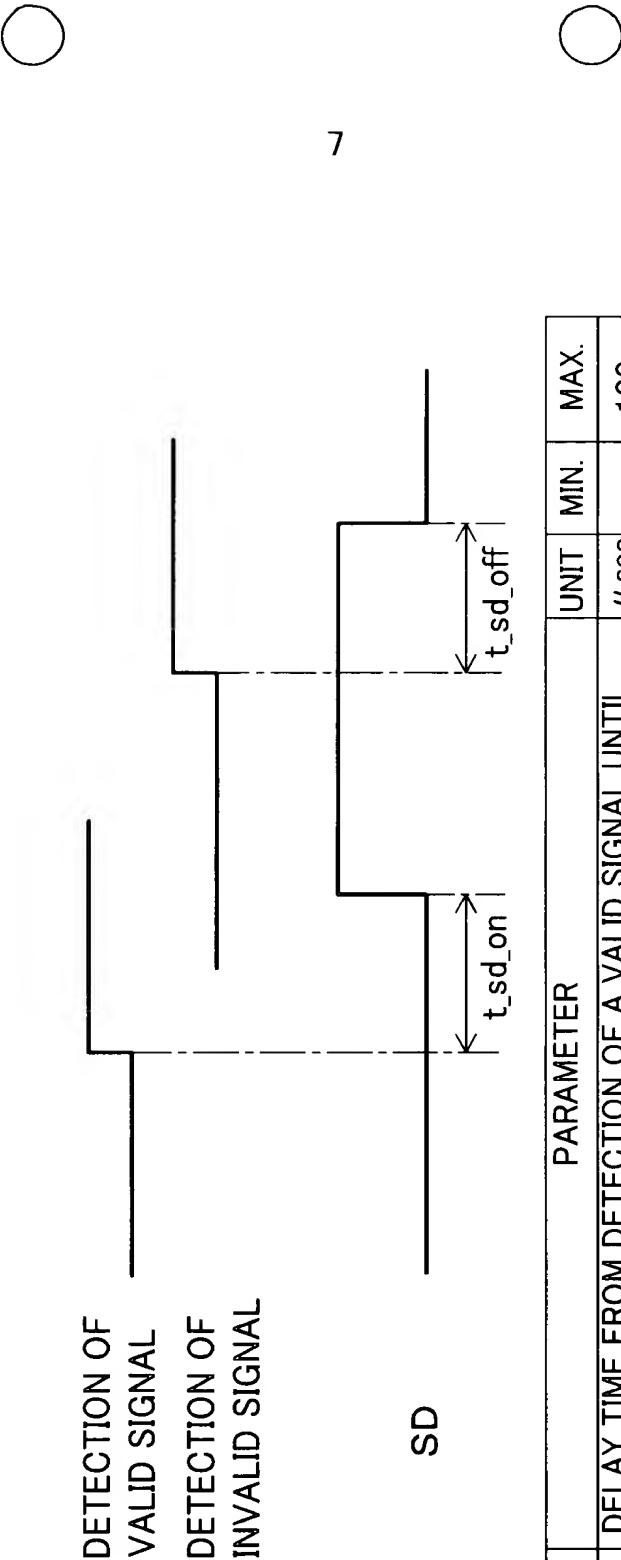


FIG. 9

TIMING PARAMETERS OF SIGNAL-DETECT SIGNALS ACCORDING TO P1394b STANDARD



SYMBOL	PARAMETER	UNIT	MIN.	MAX.
t_{sd_on}	DELAY TIME FROM DETECTION OF A VALID SIGNAL UNTIL ASSERTION OF A SIGNAL-DETECT SIGNAL	μ sec	-	100
t_{sd_off}	DELAY TIME FROM DETECTION OF AN INVALID SIGNAL UNTIL NAGATION OF A SIGNAL-DETECT SIGNAL	μ sec	-	t_{sd_on}

FIG. 10 CODE TABLE(1)
8b10bCODES ACCORDING TO P1394b STANDARD

INPUT				ABCEI FGHIJ OUTPUT				INPUT				ABCEI FGHIJ OUTPUT			
NAME	A'B'C'D'E'F'G'H'	RD<0	RD>0	NAME	A'B'C'D'E'F'G'H'	RD<0	RD>0	NAME	A'B'C'D'E'F'G'H'	RD<0	RD>0	NAME	A'B'C'D'E'F'G'H'	RD<0	RD>0
	I	DATA_TABLE[0][0]	DATA_TABLE[0][1]		I	DATA_TABLE[0][0]	DATA_TABLE[0][1]		I	DATA_TABLE[0][0]	DATA_TABLE[0][1]		I	DATA_TABLE[0][0]	DATA_TABLE[0][1]
D0.0	00000000	1001110100	0110001011	D4.0	00100000	1101010100	0010101011	D8.0	00010000	1110010100	0001101000	D12.0	00001000	1101010100	0000101000
D0.4	00000001	1001110010	0110001101	D4.4	00100001	1101010010	0010101101	D8.4	00010001	1110010010	0001101001	D12.4	00001001	1101010101	0000101001
D0.2	00000010	1001110101	0110000101	D4.2	00100010	1101010101	0010100101	D8.2	00010010	1110010101	0001101001	D12.2	00001010	1101010101	0000101001
D0.6	00000011	1001110110	0110000110	D4.6	00100011	1101010110	0010100110	D8.6	00010011	1110010110	0001101001	D12.6	00001011	1101010110	0000101001
D0.1	00000100	1001111001	0110001001	D4.1	00100100	1101011001	0010101001	D8.1	00010100	1110011001	0001101001	D12.1	00001100	1101011001	0000101001
D0.5	00000101	1001111010	0110001010	D4.5	00100101	1101011010	0010101101	D8.5	00010101	1110011010	0001101001	D12.5	00001101	1101011010	0000101001
D0.3	00000110	1001110011	0110001100	D4.3	00100110	1101010011	0010101100	D8.3	00010110	1110010011	0001101001	D12.3	00001110	1101010011	0000101001
D0.7	00000111	1001110001	0110001110	D4.7	00100111	1101010001	0010101001	D8.7	00010111	1110010001	0001101001	D12.7	00001111	1101010001	0000101001
D16.0	00001000	0110110100	1001001011	D20.0	00101000	0010111011	0010110100	D24.0	00011000	1110011000	0001101000	D28.0	00001000	1101011000	0000101000
D16.4	00001001	0110110010	1001001101	D20.4	00101001	0010111101	0010110010	D24.4	00011001	1110011001	0001101001	D28.4	00001001	1101011001	0000101001
D16.2	00001010	0110110101	1001000101	D20.2	00101010	0010111010	0010110101	D24.2	00011010	1110011010	0001101001	D28.2	00001010	1101011010	0000101001
D16.6	00001011	0110110110	1001000110	D20.6	00101011	0010111011	0010110110	D24.6	00011011	1110011011	0001101001	D28.6	00001011	1101011011	0000101001
D16.1	00001100	0110111001	1001001001	D20.1	00101100	0010111001	0010110101	D24.1	00011100	1110011001	0001101001	D28.1	00001100	1101011001	0000101001
D16.5	00001101	0110111010	1001001010	D20.5	00101101	0010111010	0010110101	D24.5	00011101	1110011010	0001101001	D28.5	00001101	1101011010	0000101001
D16.3	00001110	0110110011	1001001100	D20.3	00101110	0010111100	0010110110	D24.3	00011110	1110011011	0001101001	D28.3	00001110	1101011011	0000101001
D16.7	00001111	0110110001	1001001110	D20.7	00101111	0010111101	0010110111	D24.7	00011111	1110011011	0001101001	D28.7	00001111	1101011011	0000101001
D8.0	00010000	1110010100	0001101011	D12.0	00110000	0011010111	0011010100	D24.0	00011000	1110011000	0001101000	D28.0	00001000	1101011000	0000101000
D8.4	00010001	1110010010	0001101101	D12.4	00110001	0011010101	0011010101	D24.4	00011001	1110011001	0001101001	D28.4	00001001	1101011001	0000101001
D8.2	00010010	1110010101	0001101001	D12.2	00110010	0011010101	0011010101	D24.2	00011010	1110011010	0001101001	D28.2	00001010	1101011010	0000101001
D8.6	00010011	1110010110	0001101001	D12.6	00110011	0011010110	0011010101	D24.6	00011011	1110011011	0001101001	D28.6	00001011	1101011011	0000101001
D8.1	00010100	1110011001	0001101001	D12.1	00110100	0011010101	0011010101	D24.1	00011100	1110011001	0001101001	D28.1	00001100	1101011001	0000101001
D8.5	00010101	1110011010	0001101001	D12.5	00110101	0011010101	0011010101	D24.5	00011101	1110011010	0001101001	D28.5	00001101	1101011010	0000101001
D8.3	00010110	1110010011	0001101100	D12.3	00110110	0011010101	0011010101	D24.3	00011110	1110011011	0001101001	D28.3	00001110	1101011011	0000101001
D8.7	00010111	1110010001	0001101110	D12.7	00110111	0011010110	0011010101	D24.7	00011111	1110011011	0001101001	D28.7	00001111	1101011011	0000101001
D24.0	00011000	1100110100	0011001011	D28.0	00111000	0011101011	0011101000	D32.0	00011000	1110011000	0001101000	D36.0	00001000	1101011000	0000101000
D24.4	00011001	1100110010	0011001101	D28.4	00111001	0011101011	0011101001	D32.4	00011001	1110011001	0001101001	D36.4	00001001	1101011001	0000101001
D24.2	00011010	1100110101	0011000101	D28.2	00111010	0011101011	0011101001	D32.2	00011010	1110011010	0001101001	D36.2	00001010	1101011010	0000101001
D24.6	00011011	1100110110	0011000110	D28.6	00111011	0011101011	0011101001	D32.6	00011011	1110011011	0001101001	D36.6	00001011	1101011011	0000101001
D24.1	00011100	1100110001	0011001001	D28.1	00111100	0011101001	0011101001	D32.1	00011100	1110011001	0001101001	D36.1	00001100	1101011001	0000101001
D24.5	00011101	1100110101	0011001010	D28.5	00111101	0011101010	0011101001	D32.5	00011101	1110011010	0001101001	D36.5	00001101	1101011010	0000101001
D24.3	00011110	1100110011	0011001100	D28.3	00111110	0011101100	0011101001	D32.3	00011110	1110011011	0001101001	D36.3	00001110	1101011011	0000101001
D24.7	00011111	1100110001	0011001110	D28.7	00111111	0011101110	0011101001	D32.7	00011111	1110011011	0001101001	D36.7	00001111	1101011011	0000101001
D2.0	01000000	1011010100	0100101101	D6.0	01100000	0110011011	0110010100	D10.0	01000000	1011010100	0100101101	D14.0	01000000	1011010100	0100101101
D2.4	01000001	1011010010	0100101101	D6.4	01100001	0110011101	0110010101	D10.4	01000001	1011010010	0100101101	D14.4	01000001	1011010010	0100101101
D2.2	01000010	1011010101	0100100101	D6.2	01100010	0110010101	0110010101	D10.2	01000010	1011010101	0100101101	D14.2	01000010	1011010101	0100101101
D2.6	01000011	1011010110	0100100110	D6.6	01100011	0110010110	0110010101	D10.6	01000011	1011010110	0100101101	D14.6	01000011	1011010110	0100101101
D2.1	01000100	1011011001	0100101001	D6.1	01100100	0110011001	0110010101	D10.1	01000100	1011011001	0100101101	D14.1	01000100	1011011001	0100101101
D2.5	01000101	1011011010	0100101001	D6.5	01100101	0110011010	0110010101	D10.5	01000101	1011011010	0100101101	D14.5	01000101	1011011010	0100101101
D2.3	01000110	1011010011	0100101100	D6.3	01100110	0110011100	0110010011	D10.3	01000110	1011010011	0100101101	D14.3	01000110	1011010011	0100101101
D2.7	01000111	1011010001	0100101110	D6.7	01100111	0110011110	0110010001	D10.7	01000111	1011010001	0100101101	D14.7	01000111	1011010001	0100101101
D18.0	01001000	0100111011	0100110100	D22.0	01101000	0110101011	0110100100	D26.0	01011000	0101101011	0101100100	D30.0	01111000	0111100100	1000011011
D18.4	01001001	0100111010	0100110101	D22.4	01101001	0110101011	0110100101	D26.4	01011001	0101101011	0101100101	D30.4	01111001	0111100101	1000011011
D18.2	01001010	0100110101	0100110101	D22.2	01101010	0110100101	0110100101	D26.2	01011010	0101100101	0101100101	D30.2	01111010	0111100101	1000011011
D18.6	01001011	0100110110	0100110110	D22.6	01101011	0110100110	0110100101	D26.6	01011011	0101100110	0101100101	D30.6	01111011	0111100110	1000011011
D18.1	01001100	0100111001	0100111001	D22.1	01101100	0110101001	0110100101	D26.1	01011100	0101101001	0101100101	D30.1	01111100	0111101001	1000011001
D18.5	01001101	0100111010	0100111010	D22.5	01101101	0110101010	0110100101	D26.5	01011101	0101101010	0101100101	D30.5	01111101	0111101010	1000011010
D18.3	01001110	0100111100	0100110011	D22.3	01101110	0110101100	0110100011	D26.3	01011110	0101101100	0101100011	D30.3	01111110	0111100011	1000011100
D18.7	01001111	0100110111	0100110001	D22.7	01101111	0110101110	0110100001	D26.7	01011111	0101101110	0101100001	D30.7	01111111	0111100001	1000011110
D10.0	01010000	0101011011	0101010100	D14.0	01110000	0111001011	0111000100	D18.0	01010000	0101011011	0101010100	D22.0	01110000	0111001011	0111000100
D10.4	01010001	0101011101	0101010101	D14.4	01110001	0111001101	0111000101	D18.4	01010001	0101011101	0101010101	D22.4	01110001	0111001101	0111000101
D10.2	01010010	0101010101	0101010101	D14.2	01110010	0111000101	0111000101	D18.2	01010010	0101010101	0101010101	D22.2	01110010	0111000101	0111000101
D10.6	01010011	0101010110	0101010110	D14.6	01110011	0111000110	0111000101	D18.6	01010011	0101010110	0101010110	D22.6	01110011	0111000110	0111000101
D10.1	01010100	0101011001	0101011001	D14.1	01110100	0111001001	0111000101	D18.1	01010100	0101011001	0101010101	D22.1	01110100	0111001001	0111000101
D10.5	01010101	0101011010	0101011010	D14.5	01110101	0111001010	0111000101	D18.5	01010101	0101011010	0101010101	D22.5	01110101	0111001010	0111000101
D10.3	01010110	0101011100	0101010011	D14.3	01110110	0111001100	0111000011	D18.3	01010110	0101011100	0101010011	D22.3	01110110	0111001100	0111000011
D10.7	01010111	0101011110	0101010001	D14.7	01110111	0111001110	0111000001	D18.7	0101011						

FIG. 11

CODE TABLE(2)

8b10bCODES ACCORDING TO P1394b STANDARD

INPUT				ABCDEFI FGHIJ OUTPUT				INPUT				ABCDEFI FGHIJ OUTPUT			
NAME	A'B'C'D'E'F'G'H'	RD<0	RD>0	NAME	A'B'C'D'E'F'G'H'	RD<0	RD>0	NAME	A'B'C'D'E'F'G'H'	RD<0	RD>0	NAME	A'B'C'D'E'F'G'H'	RD<0	RD>0
	I	DATA_TABLE[I][0]	DATA_TABLE[I][1]		I	DATA_TABLE[I][0]	DATA_TABLE[I][1]		I	DATA_TABLE[I][0]	DATA_TABLE[I][1]		I	DATA_TABLE[I][0]	DATA_TABLE[I][1]
D1.1	10000100	0111011001	1000101001	D5.1	10100100	1010011001	1010011001	D9.1	10010100	1001011001	1001011001	D13.1	10110100	1011001001	1011001001
D1.5	10000101	0111011010	1000101010	D5.5	10100101	1010011010	1010011010	D9.5	10010101	1001011010	1001011010	D13.5	10110101	1011001010	1011001010
D1.3	10000110	0111011001	1000101100	D5.3	10100110	1010011100	1010011100	D9.3	10010110	1001011100	1001011100	D13.3	10110110	1011001100	1011001100
D1.7	10000111	0111011000	1000101110	D5.7	10100111	1010011110	1010011110	D9.7	10010111	1001011110	1001011110	D13.7	10110111	1011001110	1011001110
D17.0	10001000	1000111011	1000110100	D21.0	10101000	1010101011	1010101011	D17.0	10001000	1000111011	1000110100	D21.0	10101000	1010101011	1010101011
D17.4	10001001	1000111101	1000110010	D21.4	10101001	1010101101	1010101101	D17.4	10001001	1000111101	1000110010	D21.4	10101001	1010101101	1010101101
D17.2	10001010	1000111010	1000110101	D21.2	10101010	1010101100	1010101100	D17.2	10001010	1000111010	1000110101	D21.2	10101010	1010101100	1010101100
D17.6	10001011	1000111011	1000110110	D21.6	10101011	1010101110	1010101110	D17.6	10001011	1000111011	1000110110	D21.6	10101011	1010101110	1010101110
D17.1	10001100	1000111001	1000111001	D21.1	10101100	1010101100	1010101100	D17.1	10001100	1000111001	1000111001	D21.1	10101100	1010101100	1010101100
D17.5	10001101	1000111010	1000111010	D21.5	10101101	1010101101	1010101101	D17.5	10001101	1000111010	1000111010	D21.5	10101101	1010101101	1010101101
D17.3	10001110	1000111100	1000111011	D21.3	10101110	1010101110	1010101110	D17.3	10001110	1000111100	1000111011	D21.3	10101110	1010101110	1010101110
D17.7	10001111	1000111111	1000111001	D21.7	10101111	1010101111	1010101111	D17.7	10001111	1000111111	1000111001	D21.7	10101111	1010101111	1010101111
D9.0	10010000	1001011011	1001010100	D13.0	10110000	1011001011	1011001011	D9.0	10010000	1001011011	1001010100	D13.0	10110000	1011001011	1011001011
D9.4	10010001	1001011101	1001010010	D13.4	10110001	1011001101	1011001101	D9.4	10010001	1001011101	1001010010	D13.4	10110001	1011001101	1011001101
D9.2	10010010	1001011010	1001010110	D13.2	10110010	1011001100	1011001100	D9.2	10010010	1001011010	1001010110	D13.2	10110010	1011001100	1011001100
D9.6	10010011	1001011011	1001010111	D13.6	10110011	1011001110	1011001110	D9.6	10010011	1001011011	1001010111	D13.6	10110011	1011001110	1011001110
D9.1	10010100	1001011001	1001011001	D13.1	10110100	1011001001	1011001001	D9.1	10010100	1001011001	1001011001	D13.1	10110100	1011001001	1011001001
D9.5	10010101	1001011010	1001011010	D13.5	10110101	1011001010	1011001010	D9.5	10010101	1001011010	1001011010	D13.5	10110101	1011001010	1011001010
D9.3	10010110	1001011100	1001010011	D13.3	10110110	1011001100	1011001100	D9.3	10010110	1001011100	1001010011	D13.3	10110110	1011001100	1011001100
D9.7	10010111	1001011111	1001010001	D13.7	10110111	1011001111	1011001111	D9.7	10010111	1001011111	1001010001	D13.7	10110111	1011001111	1011001111
D25.0	10011000	1001101011	1001100100	D29.0	10111000	1011100101	1011100101	D25.0	10011000	1001101011	1001100100	D29.0	10111000	1011100101	1011100101
D25.4	10011001	1001101101	1001100010	D29.4	10111001	1011100110	1011100110	D25.4	10011001	1001101101	1001100010	D29.4	10111001	1011100110	1011100110
D25.2	10011010	1001100101	1001100101	D29.2	10111010	1011100101	1011100101	D25.2	10011010	1001100101	1001100101	D29.2	10111010	1011100101	1011100101
D25.6	10011011	1001100110	1001100110	D29.6	10111011	1011100110	1011100110	D25.6	10011011	1001100110	1001100110	D29.6	10111011	1011100110	1011100110
D25.1	10011100	1001101001	1001101001	D29.1	10111100	1011101001	1011101001	D25.1	10011100	1001101001	1001101001	D29.1	10111100	1011101001	1011101001
D25.5	10011101	1001101010	1001101010	D29.5	10111101	1011101010	1011101010	D25.5	10011101	1001101010	1001101010	D29.5	10111101	1011101010	1011101010
D25.3	10011110	1001101100	1001100011	D29.3	10111110	1011100011	1011100011	D25.3	10011110	1001101100	1001100011	D29.3	10111110	1011100011	1011100011
D25.7	10011111	1001101111	1001100001	D29.7	10111111	1011100001	1011100001	D25.7	10011111	1001101111	1001100001	D29.7	10111111	1011100001	1011100001
D3.0	11000000	1100011011	1100010100	D7.0	11100000	1110001011	1110001011	D3.0	11000000	1100011011	1100010100	D7.0	11100000	1110001011	1110001011
D3.4	11000001	1100011101	1100010010	D7.4	11100001	1110001101	1110001101	D3.4	11000001	1100011101	1100010010	D7.4	11100001	1110001101	1110001101
D3.2	11000010	1100011010	1100010101	D7.2	11100010	1110001100	1110001100	D3.2	11000010	1100011010	1100010101	D7.2	11100010	1110001100	1110001100
D3.6	11000011	1100011011	1100010110	D7.6	11100011	1110001110	1110001110	D3.6	11000011	1100011011	1100010110	D7.6	11100011	1110001110	1110001110
D3.1	11000100	1100011001	1100011001	D7.1	11100100	1110001001	1110001001	D3.1	11000100	1100011001	1100011001	D7.1	11100100	1110001001	1110001001
D3.5	11000101	1100011010	1100011010	D7.5	11100101	1110001010	1110001010	D3.5	11000101	1100011010	1100011010	D7.5	11100101	1110001010	1110001010
D3.3	11000110	1100011100	1100010011	D7.3	11100110	1110001100	1110001100	D3.3	11000110	1100011100	1100010011	D7.3	11100110	1110001100	1110001100
D3.7	11000111	1100011111	1100010001	D7.7	11100111	1110001111	1110001111	D3.7	11000111	1100011111	1100010001	D7.7	11100111	1110001111	1110001111
D19.0	11001000	1100101011	1100100100	D23.0	11101000	1110100101	1110100101	D19.0	11001000	1100101011	1100100100	D23.0	11101000	1110100101	1110100101
D19.4	11001001	1100101101	1100100010	D23.4	11101001	1110100110	1110100110	D19.4	11001001	1100101101	1100100010	D23.4	11101001	1110100110	1110100110
D19.2	11001010	1100100101	1100100101	D23.2	11101010	1110100101	1110100101	D19.2	11001010	1100100101	1100100101	D23.2	11101010	1110100101	1110100101
D19.6	11001011	1100100110	1100100110	D23.6	11101011	1110100110	1110100110	D19.6	11001011	1100100110	1100100110	D23.6	11101011	1110100110	1110100110
D19.1	11001100	1100101001	1100101001	D23.1	11101100	1110101001	1110101001	D19.1	11001100	1100101001	1100101001	D23.1	11101100	1110101001	1110101001
D19.5	11001101	1100101010	1100101010	D23.5	11101101	1110101010	1110101010	D19.5	11001101	1100101010	1100101010	D23.5	11101101	1110101010	1110101010
D19.3	11001110	1100101100	1100100011	D23.3	11101110	1110100011	1110100011	D19.3	11001110	1100101100	1100100011	D23.3	11101110	1110100011	1110100011
D19.7	11001111	1100101111	1100100001	D23.7	11101111	1110100001	1110100001	D19.7	11001111	1100101111	1100100001	D23.7	11101111	1110100001	1110100001
D11.0	11010000	1101001011	1101000100	D15.0	11110000	0101110100	1010001011	D11.0	11010000	1101001011	1101000100	D15.0	11110000	0101110100	1010001011
D11.4	11010001	1101001101	1101000010	D15.4	11110001	0101110010	1010001101	D11.4	11010001	1101001101	1101000010	D15.4	11110001	0101110010	1010001101
D11.2	11010010	1101000101	1101000101	D15.2	11110010	0101110101	1010000101	D11.2	11010010	1101000101	1101000101</				

FIG. 12

SPECIFIC EXAMPLE VOLTAGE LEVEL DETECTOR IN THIRD EMBODIMENT

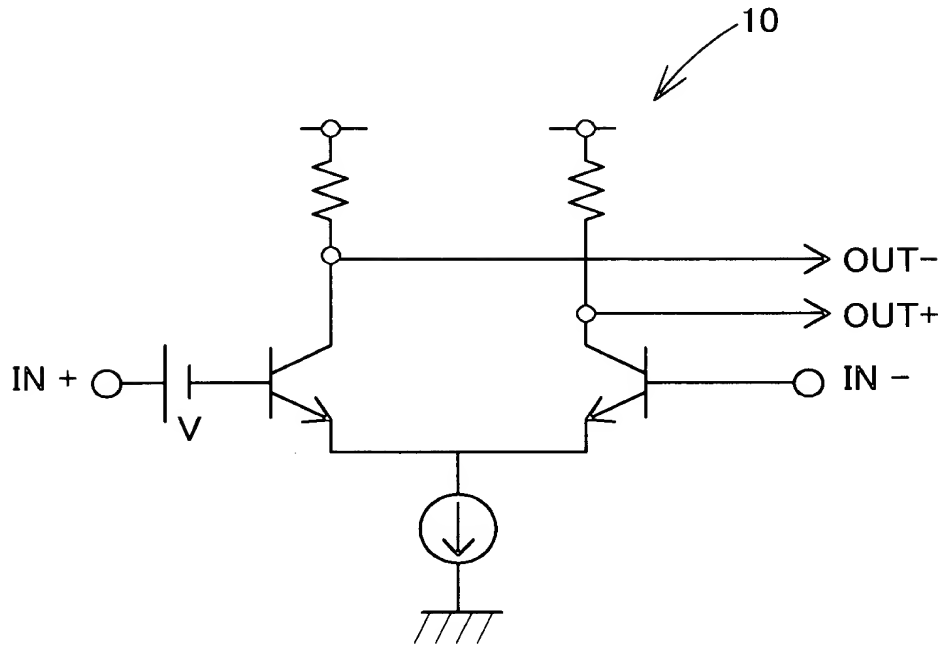


FIG. 13

SPECIFIC EXAMPLE OF SIGNAL-DETECT SETTING CIRCUIT IN THIRD EMBODIMENT

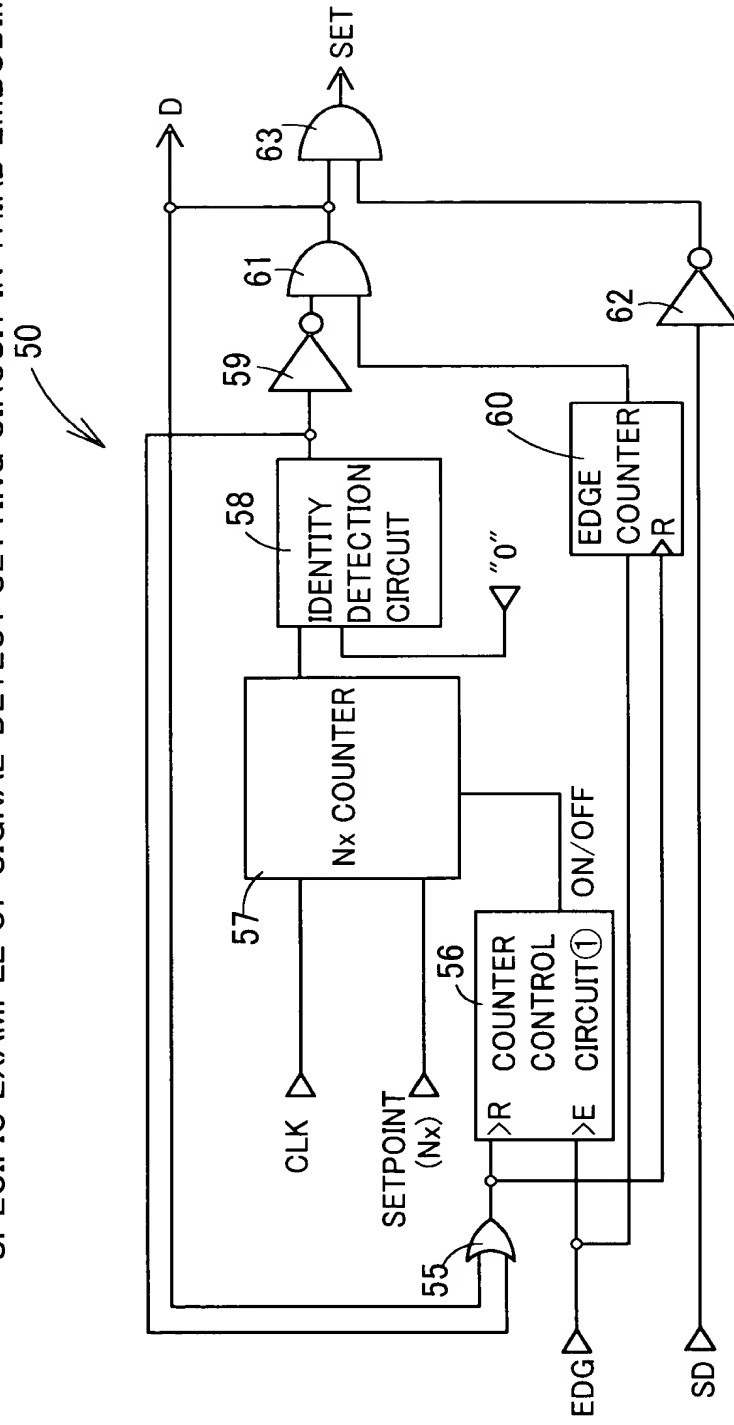


FIG. 14

SPECIFIC EXAMPLE OF SIGNAL-DETECT RESETTING CIRCUIT IN THIRD EMBODIMENT

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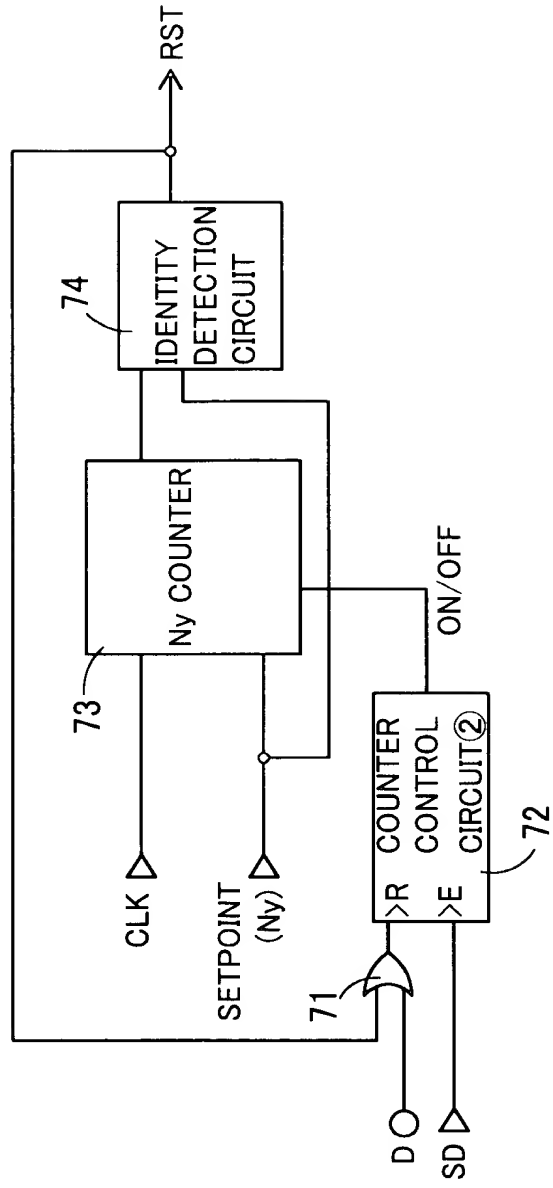


FIG. 15 SIGNAL-DETECT SIGNAL SETTING SEQUENCE

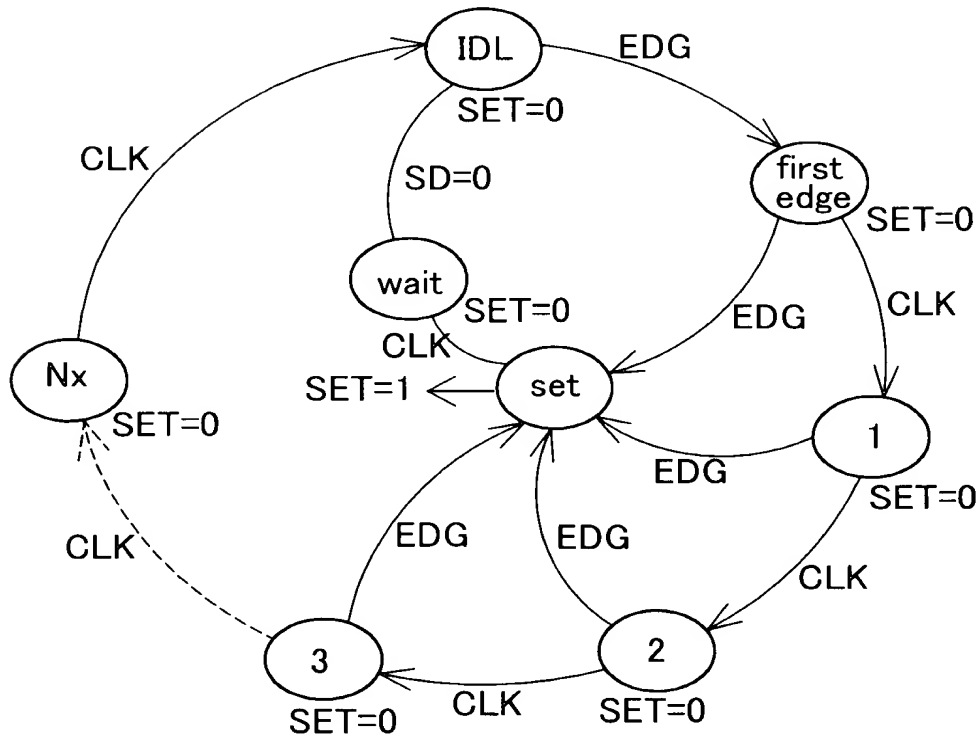


FIG. 16 SIGNAL-DETECT SIGNAL RESETTING SEQUENCE

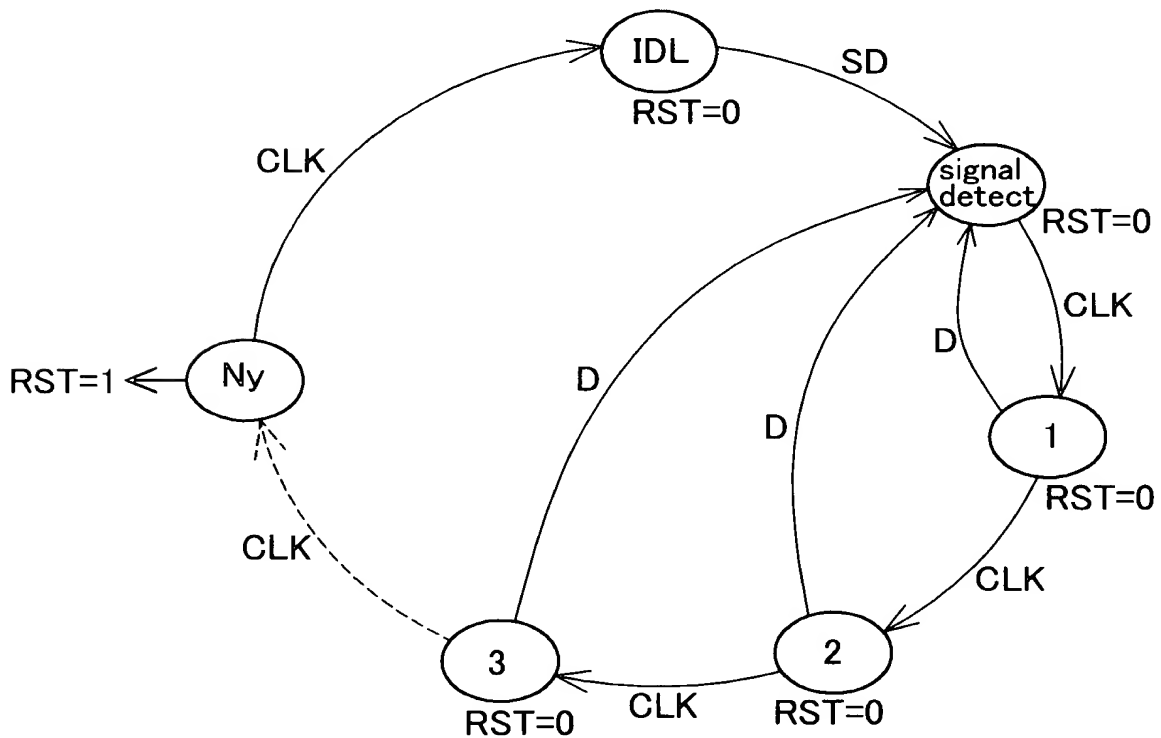


FIG. 17

TIME CHART SHOWING SIGNAL-DETECT SIGNAL SETTING SEQUENCE

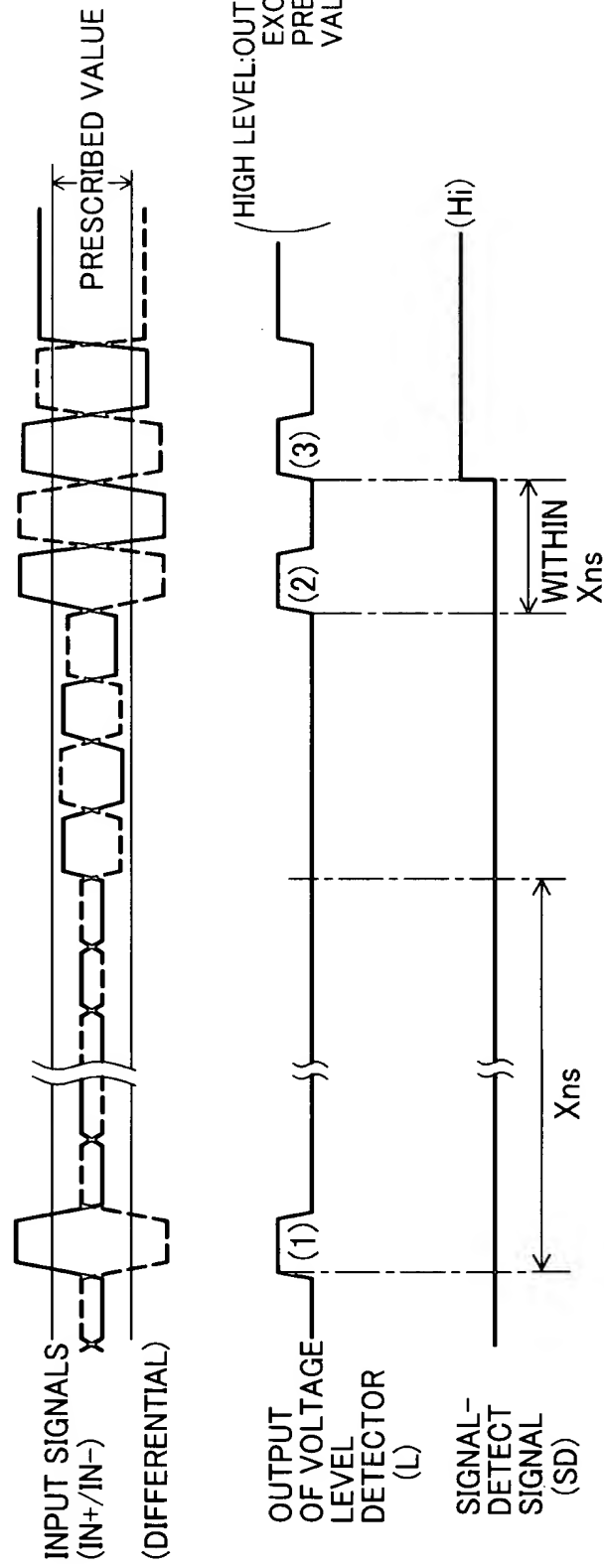


FIG. 19

TIME CHART SHOWING SIGNAL-DETECT SIGNAL RESETTING SEQUENCE

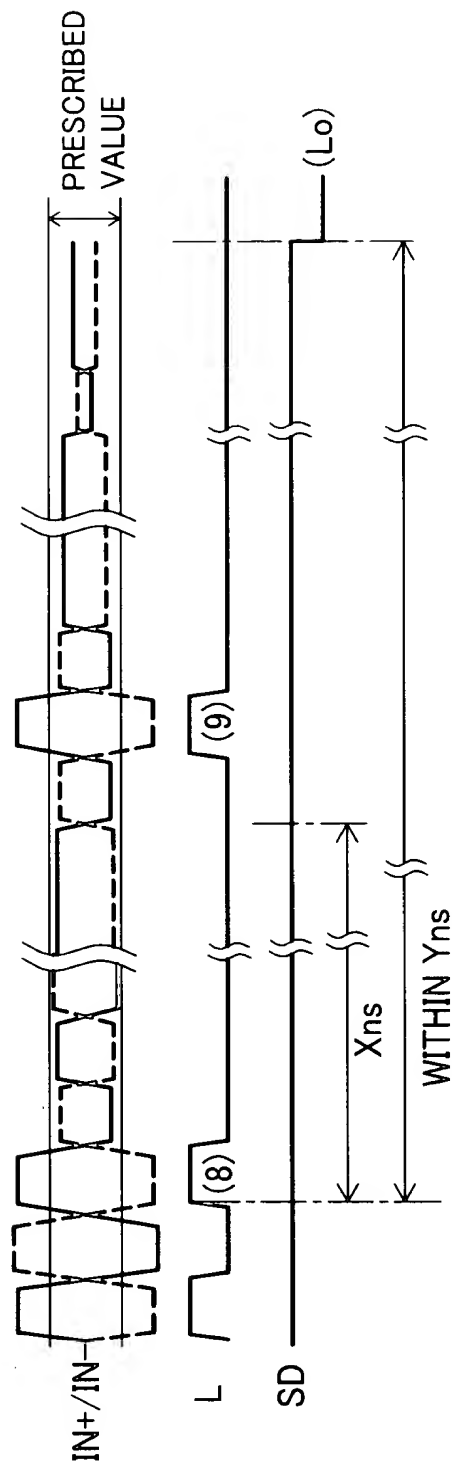


FIG. 20

CONFIGURATIONAL DIAGRAM OF SIGNAL DETECTION APPARATUS
IN FOURTH EMBODIMENT

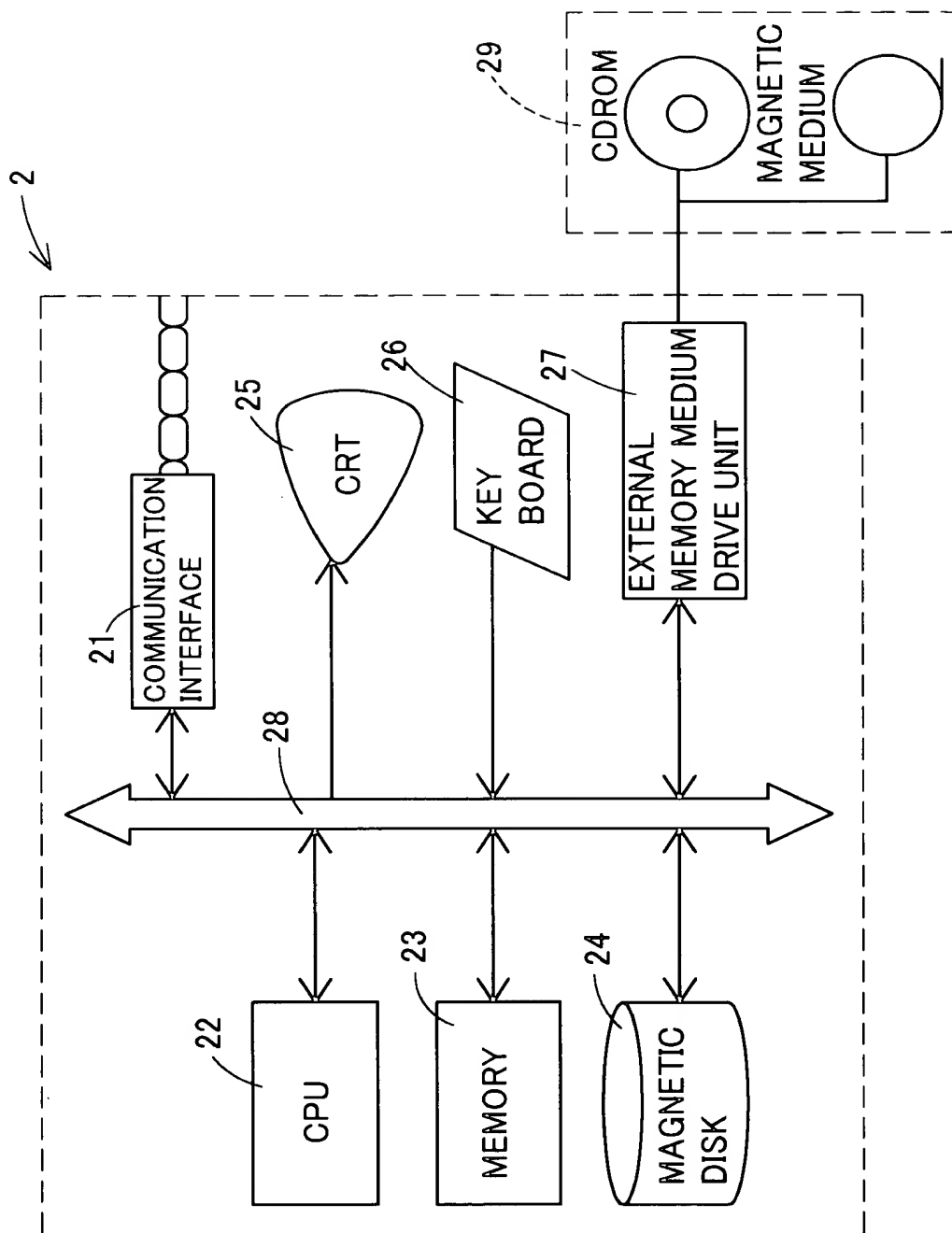


FIG. 21 SIGNAL DETECTION METHOD EXECUTED BY SIGNAL DETECTION APPARATUS IN FOURTH EMBODIMENT (SIGNAL-DETECT SIGNAL SETTING FLOW)

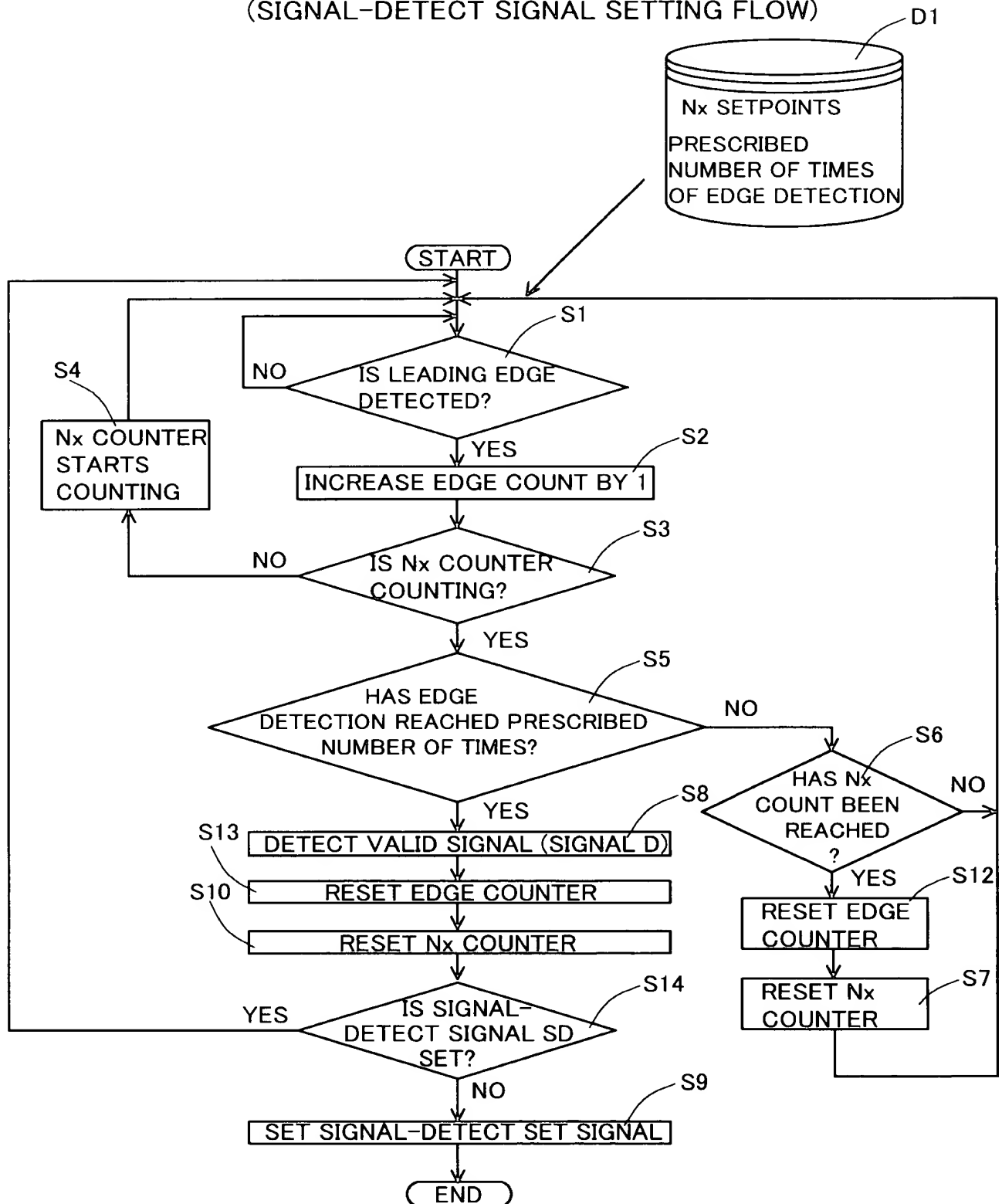


FIG. 22 SIGNAL DETECTION METHOD EXECUTED BY SIGNAL DETECTION APPARATUS IN FOURTH EMBODIMENT
(SIGNAL-DETECT SIGNAL RESETTING FLOW)

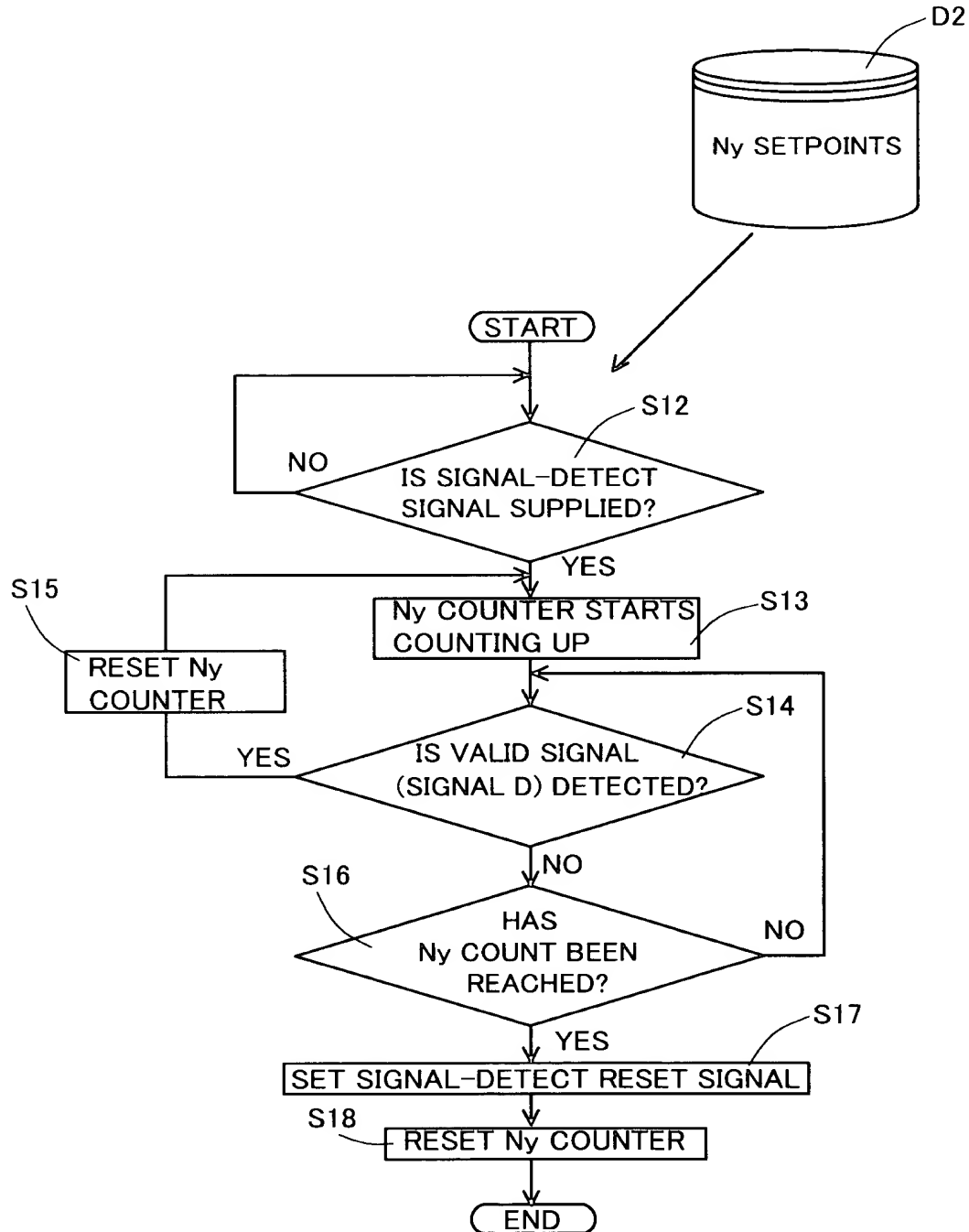


FIG. 23

EXAMPLE OF DIFFERENTIAL SIGNAL TRANSMISSION SYSTEM

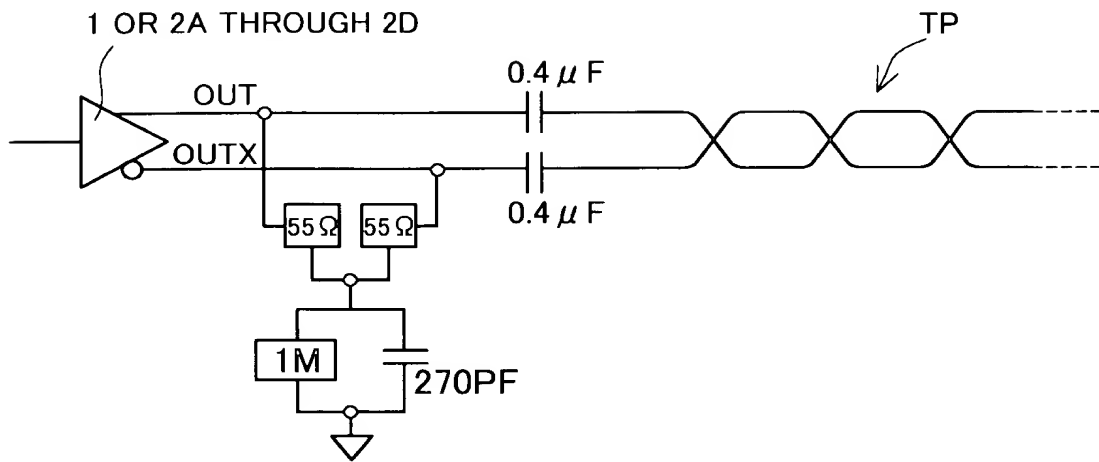


FIG. 24

EXAMPLE OF SIGNAL TRANSMISSION SYSTEM CONFIGURATION

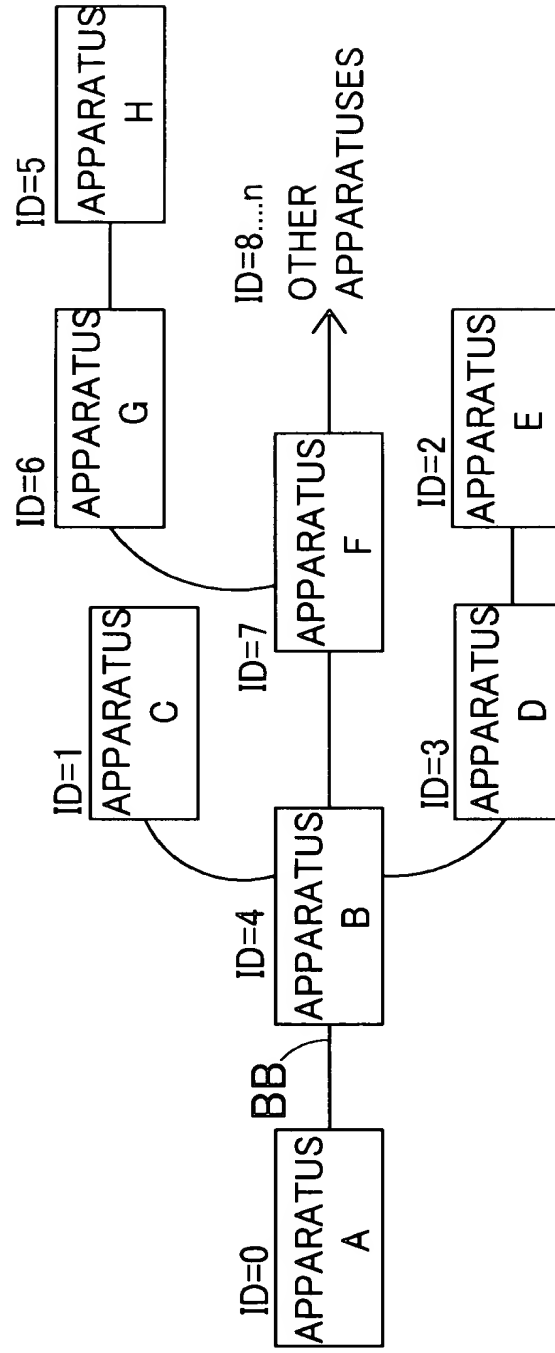


FIG. 25 PRIOR ART

DIFFERENTIAL SIGNAL OUTPUT CIRCUIT ACCORDING
TO PRIOR ART

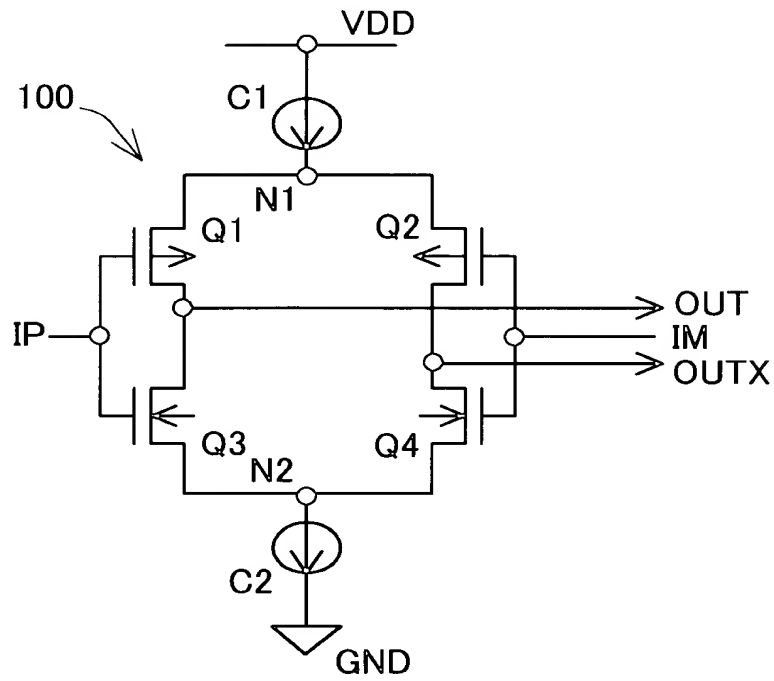


FIG. 26A PRIOR ART

ANOTHER DIFFERENTIAL SIGNAL OUTPUT CIRCUIT ACCORDING TO PRIOR ART

CIRCUIT WITH PASSIVE LOADS

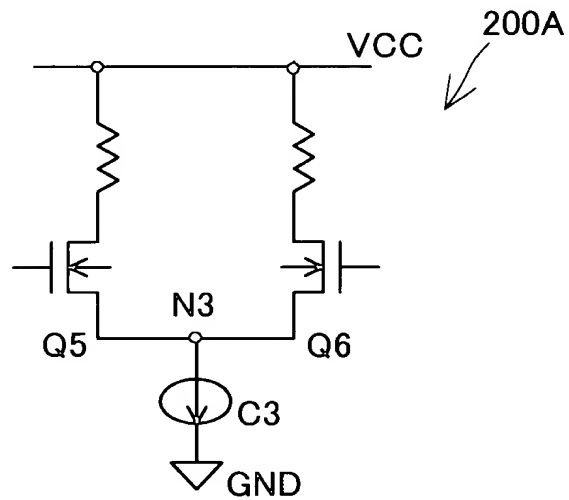


FIG. 26B

CIRCUIT WITH ACTIVE LOADS

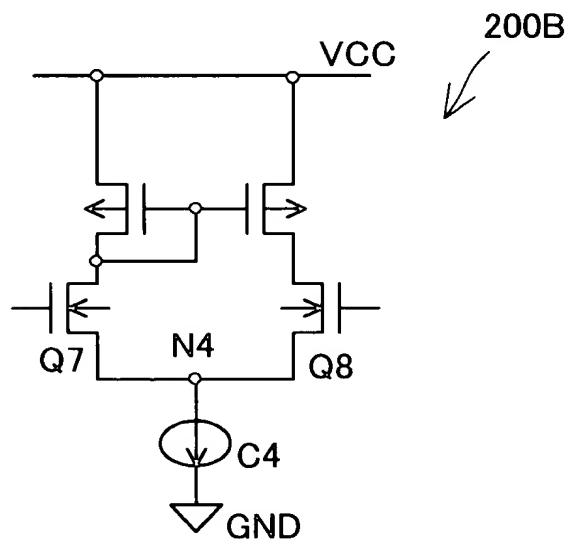


FIG. 27 PRIOR ART

SIGNAL DETECTION APPARATUS ACCORDING TO PRIOR ART

